NC/QC/YPD/2020-21/SP/W3-1-C1 **Date: 18-09-2020**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

Smt. Parveen AE
Sri. Nisar Ahmed AEE

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**156 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.08mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.76 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

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NC/QC/YPD/2020-21/SP/W3-1-PCC1 **Date: 18-09-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.05	0 -20	30- 70
10mm	32.75	0 -5	10- 35
4.75mm	4.05	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.25	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.60	60-95	75-100	85-100	
01.18	73.10	30-70	55-90	75-100	
600.mic	46.50	15-34	35-59	60-79	
300.mic	22.05	5-20	8-30	12-40	
150.mic	8.60	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Page No. 1/1,

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NC/QC/YPD/2020-21/SP/W3-1-C2 **Date: 23-09-2020**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade,* : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**164 min**	Shall not be less than 30 min
2	Final setting time	**285 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.54 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore K.R

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

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NC/QC/YPD/2020-21/SP/W3-1-PCC2 **Date: 23-09-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	67.25	0 -20	30- 70
10mm	28.70	0 -5	10- 35
4.75mm	3.55	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.15	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.90	60-95	75-100	85-100	
01.18	72.05	30-70	55-90	75-100	
600.mic	46.15	15-34	35-59	60-79	
300.mic	23.85	5-20	8-30	12-40	
150.mic	6.10	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

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NC/QC/YPD/2020-21/SP/W3-1-C3 **Date: 25-09-2020**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**152 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.86 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

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NC/QC/YPD/2020-21/SP/W3-1-PCC3 **Date: 25-09-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.70	0 -20	30- 70
10mm	30.80	0 -5	10- 35
4.75mm	4.10	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.45	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.10	60-95	75-100	85-100	
01.18	75.25	30-70	55-90	75-100	
600.mic	43.90	15-34	35-59	60-79	
300.mic	24.50	5-20	8-30	12-40	
150.mic	7.05	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SP/W3-1-C4 Date: 28-09-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade* : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**163 min**	Shall not be less than 30 min
2	Final setting time	**280 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.18%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.04mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.64 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SP/W3-1-PCC4 **Date: 28-09-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.80	0 -20	30- 70
10mm	31.55	0 -5	10- 35
4.75mm	3.90	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	94.25	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.55	60-95	75-100	85-100	
01.18	73.05	30-70	55-90	75-100	
600.mic	47.80	15-34	35-59	60-79	
300.mic	22.65	5-20	8-30	12-40	
150.mic	5.30	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SP/W3-1-C5 **Date: 30-09-2020**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**154 min**	Shall not be less than 30 min
2	Final setting time	**260 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.14%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.08mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.56 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT ★ Bangalore ★

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NC/QC/YPD/2020-21/SP/W3-1-PCC5 **Date: 30-09-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.25	0 -20	30- 70
10mm	28.75	0 -5	10- 35
4.75mm	3.95	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.65	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.30	60-95	75-100	85-100	
01.18	71.05	30-70	55-90	75-100	
600.mic	44.65	15-34	35-59	60-79	
300.mic	23.10	5-20	8-30	12-40	
150.mic	7.90	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SP/W3-1-C6 **Date: 03-10-2020**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**265min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.08mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.94 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

Page No. 1/1,

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NC/QC/YPD/2020-21/SP/W3-1-PCC6 **Date: 03-10-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	62.45	0 -20	30- 70
10mm	28.10	0 -5	10- 35
4.75mm	3.85	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.35	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.65	60-95	75-100	85-100	
01.18	74.25	30-70	55-90	75-100	
600.mic	46.80	15-34	35-59	60-79	
300.mic	21.55	5-20	8-30	12-40	
150.mic	8.70	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT ★ Bangalore ★

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NC/QC/YPD/2020-21/SP/W3-1-C7 **Date: 05-10-2020**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

AE

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**164 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.44N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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NC/QC/YPD/2020-21/SP/W3-1-PCC7 **Date: 05-10-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**64.20**	0 -20	30- 70
10mm	**31.55**	0 -5	10- 35
4.75mm	**4.10**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**97.15**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**82.05**	60-95	75-100	85-100	
01.18	**71.55**	30-70	55-90	75-100	
600.mic	**45.90**	15-34	35-59	60-79	
300.mic	**23.40**	5-20	8-30	12-40	
150.mic	**7.10**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT ★ Bangalore ★

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NC/QC/YPD/2020-21/SP/W3-1-C8 **Date: 07-10-2020**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to roads and drains at Doddabettahalli Layout, Rajeevanagara, Chikkabettahalli Surrounding area, Ananthapura surrounding area, Chitra Layout, Pulakeshinagar Layout, Jothinagar Surrounding area, Basavalingappanagara, Ananthapura Colony, Tanary road Attur Colony and Halenagara Village Colony in Ward No.03 Attur.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Mohan Kumar S R, Bangalore.

PHYSICAL TESTS ON CEMENT

AE

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**156 min**	Shall not be less than 30 min
2	Final setting time	**265 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.65 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

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